



Ardaman & Associates, Inc.

Geotechnical, Environmental and
Materials Consultants

February 1, 2012
File No. 11-6185

Florida Department of Transportation
1650 N. Kepler Road
DeLand, Florida 32724

Attention: Mr. Tim Keefe

Subject: Final Pavement Evaluation and Condition Data Report
SR 5 (US-1) From N. of Cidco Road to N. of Knights Boulevard
Brevard County, Florida
FPN: 428876-1
Section No.: 70020
Contract No. C8S59

Dear Mr. Keefe,

As requested, we have obtained pavement core and other relative information for the subject project. Our scope of work was conducted in accordance with your request for proposal issued, November 3, 2011.

The pavement core data is presented on the attached Pavement Evaluation and Condition Data (PECD) Sheets 1 through 11. We have also included a CD containing the PECD excel files and roadway and core photographs. To the best of our knowledge, the information presented is accurate and represents the existing pavement conditions at the locations cored. The cores have been retained in storage awaiting instructions from FDOT concerning their disposal.

Please contact us if you have any questions or need any additional information.

Very truly yours,
ARDAMAN AND ASSOCIATES, INC.
Certificate of Authorization No. 5950


Jason M. Parker, P.E.
Senior Project Engineer
Florida License No. 65928

JMP/ksb

**State of Florida Department of Transportation
PAVEMENT EVALUATION AND CONDITION DATA SHEET**

Project No.: FPN 428876-1		Cored By: Ardaman & Associates											Date: 12/8/11 - 12/14/11				Page No.: 1 of 11					
County: Brevard		Highway Sect. No: 70020											From: N. of Cidco Road				To: N. of Golden Nights Blvd.					
Road No.: SR 5 (US-1)		Begin MP: 25.193											End MP: 32.447				Length: 7.254					
Core No.	MP	Distance from left edge of lane (ft)	Lane	Wheel Path	Pavement Layer (in.)								Base		Crack				Pavt Cond.	Rut Depth (in)	Cross Slope (%)	Comments
					FC-5	Type SP-12.5	Type S	ARMI	Binder Course	Type II	ABC	Core Length (in)	Type	Thick-ness (in)	Depth (in)	Type	Class	Extent				
1	25.194	1.0	OL		0.5		3.5				3.8	7.8	ABC	3.8	---	--	--	--	F			
2	25.194	5.0	LRTL		0.9		3.8				7.6	12.3	ABC	4.6	0.5	OGFC	I	L	F			Core Separated at 6.5 inches
3	25.268	13.0	MXO				2.5					2.5	LR	8.0	---	--	--	--	F			
4	25.268	6.0	R1		0.6		2.5		0.5			3.6	LR	8.0	0.4	OGFC	I	L	F			
5	25.268	7.0	R2		0.6		4.0		0.4			5.0	LR	7.0	0.3	OGFC	I	L	F			
6	25.288	1.0	OR		0.4		1.5					1.9	Conc	5.5	B	R	III	M	P			Measured from RT edge of lane
7	25.597	1.5	OL		1.0		3.0			2.1		4.0	LR	4.0	---	--	--	--	F			Measured from RT edge of lane
8	25.599	8.5	L2	X	0.8		3.2		0.7			4.7	LR	6.0	0.8	OGFC	I	L	F			
9	25.601	3.5	L1	X	0.6		4.8					5.4	LR	7.5	0.6	OGFC	I	L	F			
10	25.605	3.5	LLTL	X	0.6		1.8					2.4	LR	7.0	0.7	OGFC	I	L	F			
11	25.785	7.5	LRTL	X	0.6		1.6					2.2	LR	6.5	0.5	OGFC	I	L	F			
12	25.855	1.0	OL				6.1					6.1	LR	5.5	---	--	--	--	G			New Driveway and Turn Lane
13	25.855	10.5	LRTL	X			5.6					5.6	LR	5.0	---	--	--	--	G			New Driveway and Turn Lane
14	25.900	11.0	RLTL		1.1		3.9					5.0	LR	9.0	0.6	OGFC	I	L	F			
15	25.955	3.5	LRTL	X	0.9		1.7					2.6	LR	8.5	0.8	OGFC	I	L	F			
16	26.093	14.0	MXO				1.6		1.5			3.1	LR	1.0	---	--	--	--	F			

Remarks: Crack Depth of "B" indicates full depth crack to the base. EOP = Edge of Pavement
Crack Extent: L= Light; M= Moderate; S= Severe Pavement Condition: G= Good; F= Fair; P= Poor Crack Types: A= Alligator; Bl= Block; Br= Branch
SL= Single Longitudinal; ST= Single Transverse; R= Reflective; J= Joint; OGFC= Open-Graded FC Stress Crack
Base Types: LR= Limerock; COQ= Coquina; SC= Soil Cement; ABC= Asphalt Base; SAHM= Sand Asphalt Hot Mix; NB= No Base

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Project No.: FPN 428876-1				Cored By: Ardaman & Associates								Date: 12/8/11 - 12/14/11				Page No.: 2 of 11								
County: Brevard				Highway Sect. No.: 70020								From: N. of Cidco Road				To: N. of Golden Nights Blvd.								
Road No.: SR 5 (US-1)				Begin MP: 25.193								End MP: 32.447				Length: 7.254								
Core No.	MP	Distance from left edge of lane (ft)	Lane	Wheel Path	Pavement Layer (in.)								Base		Crack				Pavt Cond.	Rut Depth (in)	Cross Slope (%)	Comments		
					FC-5	Type SP-12.5	Type S	ARMI	Binder Course	Type II	ABC	Core Length (in)	Type	Thickness (in)	Depth (in)	Type	Class	Extent						
17	26.093	5.0	R1		0.9		2.4		1.4				4.7	LR		0.6	OGFC	I	L	F				
18	26.093	9.0	R2	X	0.8		3.2		1.3				5.3	LR		0.4	OGFC	I	L	F				
19	26.093	1.0	OR		0.9		2.5						3.4	LR		---	--	--	--	F				Measured from RT edge of lane
20	26.195	1.5	OL		0.8		1.5				4.3	6.6	ABC	4.3		---	--	--	--	F				Measured from RT edge of lane
21	26.195	8.5	L2	X	0.6		3.2		1.4				5.2	LR	8.0	---	--	--	--	F				
22	26.186	2.5	L1	X	1.2		3.0		1.2				5.4	LR	8.0	0.5	OGFC	I	L	F				
23	26.445	8.0	MXD				1.7						1.7	LR	13.0	---	--	--	--	F				
24	26.448	3.5	R1	X	1.0		1.5		1.1				3.6	LR	8.0	0.3	OGFC	I	L	F				
25	26.448	10.0	R2	X	0.9		3.1		1.8				5.8	LR	8.0	0.3	OGFC	I	L	F				
26	26.448	1.0	OR		0.4		2.6				5.7	8.7	ABC	5.7		---	--	--	--	F				Measured from RT edge of lane
27	26.572	1.5	OL		0.9		2.1				5.7	8.7	ABC	5.7		---	--	--	--	F				Measured from RT edge of lane
28	26.572	3.5	L2	X	0.5		2.7		0.8				4.0	LR		B	Br	II	L	P				
29	26.568	8.5	L1	X	0.7		3.6		0.6				4.9	LR		2.3	Br	II	L	F				
30	26.612	3.5	RRTL	X	0.9		2.7						3.6	LR	10.0	0.3	OGFC	I	L	F				
31	26.612	1.0	OR		1.0		4.0						5.0	LR	9.5	1.0	Br	I	M	F				Measured from RT edge of lane
32	26.684	7.5	LRTL		1.0		1.4						2.4	COQ	9.0	1.0	Br	II	M	F				

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County: Brevard	Highway Sect. No: 70020	From: N. of Cidco Road	To: N. of Golden Nights Blvd.
Road No.: SR 5 (US-1)	Begin MP: 25.193	End MP: 32.447	Length: 7.254

Core No.	MP	Distance from left edge of lane (ft)	Lane	Wheel Path	Pavement Layer (in.)								Base		Crack			Pavt Cond.	Rut Depth (in)	Cross Slope (%)	Comments		
					FC-5	Type SP-12.5	Type S	ARMI	Binder Course	Type II	ABC	Core Length (in)	Type	Thick-ness (in)	Depth (in)	Type	Class					Extent	
33	26.943	1.5	OL		1.1		1.6				6.4	9.1	ABC	6.4	1.1	Br	II	M	F				Core Separated at 2.2 inches. Measured from RT edge of lane.
34	26.943	6.0	L2		0.8		1.7		1.0			3.5	LR	8.0	0.4	OGFC	I	L	F				
35	26.932	3.5	L1	X	1.1		0.9		1.2			3.2	LR	7.5	0.5	OGFC	I	L	F				
36	26.948	3.5	RLTL	X	0.6		2.5					3.1	LR	8.0	0.4	OGFC	I	L	F				
37	26.948	3.5	R1	X	0.7		1.6		0.7			3.0	LR		0.3	OGFC	I	L	F				
38	26.948	4.5	R2		1.0		2.8		1.2			5.0	LR		0.4	OGFC	I	L	F				
39	26.949	10.0	RRTL	X	0.5		3.5					4.0	LR	10.0	0.3	OGFC	I	L	F				
40	26.949	2.0	OR		1.0		2.0					3.0	LR	5.0	---	--	--	--	F				Measured from RT edge of lane
41	27.041	3.5	LLTL	X	0.6		2.5					3.1	LR	9.0	---	--	--	--	F				
42	27.226	9.5	R2	X	0.9		4.2		2.1			7.2	LR	7.5	0.4	OGFC	I	L	F				
43	27.226	1.5	OR		0.8		1.0					1.8	Conc	5.2	B	R	II	M	P				Concrete Driveway. Measured from RT edge of lane.
44	27.265	2.0	RLTL	X	0.9		1.8		2.2			4.9	LR	8.0	---	--	--	--	F				
45	27.308	8.5	R1	X	0.9		6.1		1.4			8.4	LR	7.5	0.6	OGFC	I	L	F				
46	27.347	7.0	L1		0.8		4.9					5.7	LR	6.5	1.0	Br	I	L	F				
47	27.347	4.5	LLTL		0.5		3.2		1.9			5.6	LR	6.0	---	--	--	--	F				
48	27.471	6.5	LRTL		1.0		1.2					2.2	LR	9.0	---	--	--	--	F				Possible broken core?

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County:		Brevard		Highway Sect. No.:		70020		From:		N. of Cidco Road		To:		N. of Golden Nights Blvd.									
Road No.:		SR 5 (US-1)		Begin MP:		25.193		End MP:		32.447		Length:		7.254									
Core No.	MP	Distance from left edge of lane (ft)	Lane	Wheel Path	Pavement Layer (in.)							Base		Crack				Pavt Cond.	Rut Depth (in)	Cross Slope (%)	Comments		
					FC-5	Type SP-12.5	Type S	ARMI	Binder Course	Type II	ABC	Core Length (in)	Type	Thick-ness (in)	Depth (in)	Type	Class					Extent	
49	27.471	10.0	L2	X	0.6		2.1		1.1			3.8	LR	7.0	0.3	OGFC	I	L	F				
50	27.446	6.0	R1		0.8		2.0		1.0			3.8	LR	9.5	1.9	Br	II	M	F				
51	27.546	1.5	OL		1.0		1.2					2.2	LR	4.5	---	--	--	--	F				Measured from RT edge of lane
52	27.643	8.5	LRTL	X	0.5		4.6					5.1	Conc	5.1	B	R	II	M	P				Concrete Driveway
53	27.694	8.5	LRTL	X	0.8		2.0					2.8	LR	7.0	---	--	--	--	F				
54	27.802	2.5	LLTL	X	0.6		3.3					3.9	LR	6.0	---	--	--	--	F				
55	28.017	2.0	OL		0.6		2.0					2.6	LR	8.5	---	--	--	--	F				Measured from RT edge of lane
56	28.017	8.5	L2	X	0.5		3.5					4.0	LR	9.0	0.3	OGFC	I	L	F				
57	28.009	8.5	L1	X	0.8		3.6		0.8			5.2	LR		0.8	OGFC	I	L	F				
58	28.019	3.0	R2	X	0.8		2.6					3.4	Conc	7.1	B	J	III	M	P				
59	28.019	11.0	R2		1.0		1.7					2.7	Conc	10.3	---	--	--	--	P				Widening Strip. Rut and Slope not measured. Cored next to "R" crack.
60	28.019	1.5	OR		0.9		1.6			2.7		5.2	ABC	2.7	---	--	--	--	F				Measured from RT edge of lane Widening Strip. Rut and Slope not measured.
61	28.160	1.0	R1		0.9		3.2					4.1	Conc		B	R	II	M	P				
62	28.160	7.0	R1		0.8		2.7					3.5	Conc		B	J	III	M	P				
63	28.293	10.5	MXO				3.5					3.5	LR	9.0	---	--	--	--	F				
64	28.293	1.0	R1		1.0		3.5					4.5	Conc		B	R	II	M	P				

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County:		Brevard		Highway Sect. No: 70020									From: N. of Cidco Road				To: N. of Golden Nights Blvd.						
Road No.:		SR 5 (US-1)		Begin MP: 25.193									End MP: 32.447				Length: 7.254						
Core No.	MP	Distance from left edge of lane (ft)	Lane	Wheel Path	Pavement Layer (in.)								Base		Crack				Pavt Cond.	Rut Depth (in)	Cross Slope (%)	Comments	
					FC-5	Type SP-12.5	Type S	ARMI	Binder Course	Type II	ABC	Core Length (in)	Type	Thick-ness (in)	Depth (in)	Type	Class	Extent					
65	28.293	9.0	R1	X	0.8		4.4					5.2	Conc		B	J	III	M	P				
66	28.373	3.5	LLTL	X	0.6		1.6		1.4			3.6	LR	9.5	---	--	--	--	F				
67	28.443	1.5	OL		0.5		3.2				3.4	7.1	ABC	3.4	---	--	--	--	F				Measured from RT edge of lane
68	28.443	3.0	L2	X	0.5		3.5		1.3			5.3	LR	6.0	1.7	Br	II	M	F				
69	28.435	3.5	L1	X	0.9		3.4					4.3	LR	10.0	0.6	OGFC	I	L	F				
70	28.511	7.0	RLTL		0.6		3.8		2.6			7.0	LR	9.0	0.3	OGFC	I	L	F				
71	28.650	2.0	R2	X	0.5		2.8					3.3	Conc	8.0	0.3	OGFC	I	L	F				Cored next to joint crack.
72	28.650	11.0	R2		1.1		2.3					3.4	Conc	7.9	0.5	OGFC	I	L	F				Widening Strip. Rut and Slope not measured.
73	28.650	1.5	OR		1.0		3.0					4.0	Conc		---	--	--	--	F				Measured from RT edge of lane
74	28.726	1.5	LLTL	X	0.5		1.3		2.3			4.1	LR	9.0	---	--	--	--	F				Widening Strip. Rut and Slope not measured.
75	28.759	1.5	R1		0.9		2.4					3.3	Conc		B	J	III	M	P				
76	28.759	8.5	R1	X	0.7		2.4					3.1	Conc		B	J	III	M	P				
77	29.100	8.5	R1	X	0.6		2.1					2.7	Conc		B	R	II	M	P				
78	29.130	6.0	R2		0.5		3.0					3.5	Conc	9.2	B	R	II	M	P				
79	29.032	1.5	OR		1.3		6.0					7.3	LR	4.0	---	--	--	--	F				Measured from RT edge of lane
80	29.025	8.5	RLTL	X	0.6		6.6					7.2	LR	4.5	---	--	--	--	F				

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County: Brevard	Highway Sect. No.: 70020	From: N. of Cidco Road	To: N. of Golden Nights Blvd.
Road No.: SR 5 (US-1)	Begin MP: 25.193	End MP: 32.447	Length: 7.254

Core No.	MP	Distance from left edge of lane (ft)	Lane	Wheel Path	Pavement Layer (in.)								Base		Crack				Pavt Cond.	Rut Depth (in)	Cross Slope (%)	Comments
					FC-5	Type SP-12.5	Type S	ARMI	Binder Course	Type II	ABC	Core Length (in)	Type	Thick-ness (in)	Depth (in)	Type	Class	Extent				
81	29.110	8.5	LRTL	X	0.9		2.6					3.5	LR	8.0	---	--	--	--	F			
82	29.130	3.5	RRTL	X	0.7		3.6		2.3			6.6	LR	7.0	0.4	OGFC	I	M	F			
83	29.168	2.0	OL		0.6		1.6					2.2	LR		---	--	--	--	F			Measured from RT edge of lane
84	29.170	9.0	L2	X	0.9		3.9		1.0			5.8	LR	7.0	---	--	--	--	F			
85	29.170	6.0	L1		0.8		4.0		0.8			5.6	LR		1.3	Br	II	M	F			
86	29.169	7.0	MXO		0.8		1.4					2.2	LR	6.0	---	--	--	--	F			
87	29.318	10.0	R1	X	0.7		3.6		2.2			6.5	LR	7.0	0.4	OGFC	I	L	F			
88	29.318	2.5	R2	X	0.6		4.5		2.0			7.1	LR	8.0	0.3	OGFC	I	L	F			
89	29.318	1.5	OR		0.6		4.2					4.8	LR	7.3	---	--	--	--	F			Measured from RT edge of lane
90	29.441	1.5	RRTL	X	0.8		4.0					4.8	LR	11.5	0.5	OGFC	I	M	F			
91	29.443	6.0	LRTL		0.5		1.9					2.4	LR	9.0	---	--	--	--	F			
92	29.645	6.5	MXO				3.1					3.1	LR	8.0	---	--	--	--	F			
93	26.645	1.0	R1		1.0		3.6		2.0			6.6	LR		---	--	--	--	F			Widening Strip. Rut and Slope not measured.
94	26.645	9.0	R1	X	1.0		3.6		1.9			6.5	LR		0.4	OGFC	I	M	F			
95	29.623	5.0	RRTL		1.0		2.1					3.1	LR	14.5	---	--	--	--	F			
96	29.740	3.0	L2	X	0.8		3.7		0.8			5.3	LR	6.5	0.5	OGFC	I	M	F			

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Project No.:		FPN 428876-1		Cored By:		Ardaman & Associates		Date:		12/8/11 - 12/14/11		Page No.:		7 of 11										
County:		Brevard		Highway Sect. No.:		70020		From:		N. of Cidco Road		To:		N. of Golden Nights Blvd.										
Road No.:		SR 5 (US-1)		Begin MP:		25.193		End MP:		32.447		Length:		7.254										
Core No.	MP	Distance from left edge of lane (ft)	Lane	Wheel Path	Pavement Layer (in.)								Base		Crack				Pavt Cond.	Rut Depth (in)	Cross Slope (%)	Comments		
					FC-5	Type SP-12.5	Type S	ARMI	Binder Course	Type II	ABC	Core Length (in)	Type	Thick-ness (in)	Depth (in)	Type	Class	Extent						
97	29.730	8.5	L1	X	0.8		3.8						4.6	LR	7.5	1.4	SL	II	M	F				
98	29.753	2.0	R2	X	0.7		3.5						4.2	Conc	8.1	B	R	II	M	F				
99	29.753	10.5	R2		0.9		3.1						4.0	Conc	10.3	B	J	III	M	P				Widening Strip. Rut and Slope not measured.
100	29.753	5.5	RRTL		0.7		3.7						4.4	LR	13.0	---	--	--	--	P				
101	29.771	9.0	RLTL	X	0.8		3.6						4.4	LR	7.5	0.6	OGFC	I	L	F				
102	29.829	1.0	OL		0.5		2.5						3.0	LR	8.5	---	--	--	--	F				Measured from RT edge of lane
103	29.829	8.5	LRTL	X	0.5		3.5						4.0	LR	8.0	---	--	--	--	F				
104	29.893	1.0	OL		1.2		1.6						2.8	LR		---	--	--	--	F				Measured from RT edge of lane.
105	29.893	4.5	LRTL		0.7		1.9						2.6	LR	9.0	---	--	--	--	F				
106	29.910	1.0	R1		0.9		1.5						2.4	Conc		B	J	III	M	P				Widening Strip. Rut and Slope not measured.
107	29.910	8.5	R1	X	0.8		2.3						3.1	Conc		B	J	III	M	P				
108	29.943	2.0	OR		1.1		3.0						4.1	LR	13.5	---	--	--	--	F				Measured from RT edge of lane
109	29.990	5.0	RRTL		0.9		3.8						4.7	LR	13.0	---	--	--	--	F				
110	30.050	1.0	OL		1.1		3.0						4.1	LR	7.0	---	--	--	--	F				Measured from RT edge of lane
111	30.050	3.0	LRTL	X	0.5		2.5						3.0	LR	10.0	---	--	--	--	F				
112	30.133	3.5	RRTL	X	0.6		1.7						2.3	LR	14.0	---	--	--	--	F				

Remarks: Crack Depth of "B" indicates full depth crack to the base. EOP = Edge of Pavement
Crack Extent: L= Light; M= Moderate; S= Severe **Pavement Condition:** G= Good; F= Fair; P= Poor **Crack Types:** A= Alligator; B1= Block; Br= Branch
 SL= Single Longitudinal; ST= Single Transverse; R= Reflective; J= Joint; OGFC= Open-Graded FC Stress Crack
Base Types: LR= Limerock; COQ= Coquina; SC= Soil Cement; ABC= Asphalt Base; SAHM= Sand Asphalt Hot Mix; NB= No Base

**State of Florida Department of Transportation
PAVEMENT EVALUATION AND CONDITION DATA SHEET**

Project No.: FPN 428876-1					Cored By: Ardaman & Associates								Date: 12/8/11 - 12/14/11				Page No.: 8 of 11										
County: Brevard					Highway Sect. No.: 70020								From: N. of Cidco Road				To: N. of Golden Nights Blvd.										
Road No.: SR 5 (US-1)					Begin MP: 25.193								End MP: 32.447				Length: 7.254										
Core No.	MP	Distance from left edge of lane (ft)	Lane	Wheel Path	Pavement Layer (in.)								Base		Crack				Pavt Cond.	Rut Depth (in)	Cross Slope (%)	Comments					
					FC-5	Type SP-12.5	Type S	ARMI	Blnder Course	Type II	ABC	Core Length (in)	Type	Thick-ness (in)	Depth (in)	Type	Class	Extent									
113	30.245	2.5	R2	X	0.6		1.4					2.0	Conc	10.8	B	J	III	M	P								
114	30.245	10.0	R2	X	0.7		1.3					2.0	Conc		B	J	III	M	P								Widening Strip. Rut and Slope not measured.
115	30.245	2.0	OR		0.4		3.4					3.8	LR	10.0	---	--	--	--	F							Measured from RT edge of lane	
116	30.255	1.5	OL			7.1						7.1	LR	1.5	---	--	--	--	F							Measured from RT edge of lane. New Lane and Shoulder.	
117	30.255	8.5	LRTL	X		9.7						9.7	LR	1.0	---	--	--	--	F							New Lane and Shoulder.	
118	30.298	8.5	RRTL	X	0.7		3.0		1.8			5.5	LR	6.0	0.5	R	II	M	F								
119	30.318	1.0	OL		0.9		4.2			3.2	8.3	ABC	3.2	---	--	--	--	F								Measured from RT edge of lane	
120	30.320	9.0	L2	X	1.2		2.5		0.9			4.6	LR	7.0	---	--	--	--	F								
121	30.324	3.0	L1	X	0.8		2.9		0.8			4.5	LR	7.0	1.4	Br	II	M	F								
122	30.322	3.5	RRTL	X	1.0		4.2					5.2	LR	9.5	---	--	--	--	F								
123	30.447	1.0	OL		0.7	3.8						4.5	LR	6.5	---	--	--	--	F							Measured from RT edge of lane	
124	30.447	9.0	LRTL	X	0.7	3.9						4.6	LR	7.0	---	--	--	--	F								
125	30.440	1.0	LLTL		0.8		2.4					3.2	LR	7.5	---	--	--	--	F							FC-9.5	
126	30.519	1.0	R1		0.8		1.7					2.5	Conc	5.0	B	R	II	M	P							Widening Strip. Rut and Slope not measured.	
127	30.519	9.0	R1	X	0.9		2.9					3.8	Conc	6.7	B	J	III	M	P								
128	30.620	9.0	LRTL	X	0.6		3.0					3.6	LR	8.0	---	--	--	--	F								

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 SL= Single Longitudinal; ST= Single Transverse; R= Reflective; J= Joint; OGFC= Open-Graded FC Stress Crack
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**State of Florida Department of Transportation
PAVEMENT EVALUATION AND CONDITION DATA SHEET**

Project No.: FPN 428876-1	Cored By: Ardaman & Associates	Date: 12/8/11 - 12/14/11	Page No.: 9 of 11
County: Brevard	Highway Sect. No: 70020	From: N. of Cidco Road	To: N. of Golden Nights Blvd.
Road No.: SR 5 (US-1)	Begin MP: 25.193	End MP: 32.447	Length: 7.254

Core No.	MP	Distance from left edge of lane (ft)	Lane	Wheel Path	Pavement Layer (in.)								Base		Crack				Pavt Cond.	Rut Depth (in)	Cross Slope (%)	Comments		
					FC-5	Type SP-12.5	Type S	ARMI	Binder Course	Type II	ABC	Core Length (in)	Type	Thick-ness (in)	Depth (in)	Type	Class	Extent						
129	30.608	3.0	RLTL	X	0.5		2.9			1.7			5.1	LR	8.0	B	ST	II	M	P				
130	30.604	3.0	RRTL	X	1.1		1.6						2.7	LR	13.5	---	--	--	--	F				
131	30.697	8.5	LRTL	X	0.3		2.7			1.0			4.0	LR	9.5	---	--	--	--	F				
132	30.823	4.5	R2		0.9		2.5						3.4	Conc	14.0	B	J	III	M	P				
133	30.823	10.0	R2	X	0.6		2.8						3.4	LR		---	--	--	--	F				
134	30.823	1.5	OR		0.6		4.3						4.9	LR		---	--	--	--	F				Measured from RT edge of lane
135	30.869	1.0	OL		1.1		4.3						5.4	LR	4.0	---	--	--	--	F				Measured from RT edge of lane
136	30.869	12.0	LRTL		0.5		2.2						2.7	LR	8.5	B	Br	II	M	P				
137	31.041	1.5	OL		1.0		2.0					4.0	7.0	ABC	4.0	---	--	--	--	F				Measured from RT edge of lane
138	31.041	9.5	L2	X	0.6		4.1						4.7	LR	7.5	---	--	--	--	F				
139	31.032	9.5	L1	X	1.0		2.7			1.0			4.7	LR	7.5	1.0	OGFC	I	M	F				
140	31.150	8.0	MXO				2.8			2.0			4.8	LR	13.5	---	--	--	--	F				
141	31.150	1.0	R1		1.5		2.1						3.6	Conc		B	J	III	M	P				Widening Strip. Rut and Slope not measured.
142	31.150	8.5	R1	X	1.2		2.5						3.7	Conc		B	J	III	M	P				
143	31.375	7.5	RLTL		1.2		5.7			2.4			9.3	LR	6.5	2.6	Br	II	M	P				
144	31.375	1.0	R1		1.2		8.5						9.7	Conc		---	--	--	--	F				Widening Strip. Rut and Slope not measured.

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**State of Florida Department of Transportation
PAVEMENT EVALUATION AND CONDITION DATA SHEET**

Project No.: FPN 428876-1		Cored By: Ardaman & Associates					Date: 12/8/11 - 12/14/11				Page No.: 10 of 11												
County: Brevard		Highway Sect. No.: 70020					From: N. of Cicco Road				To: N. of Golden Nights Blvd.												
Road No.: SR 5 (US-1)		Begin MP: 25.193					End MP: 32.447				Length: 7.254												
Core No.	MP	Distance from left edge of lane (ft)	Lane	Wheel Path	Pavement Layer (in.)							Base		Crack				Pavt Cond.	Rut Depth (in)	Cross Slope (%)	Comments		
					FC-5	Type SP-12.5	Type S	ARMI	Binder Course	Type II	ABC	Core Length (in)	Type	Thick-ness (in)	Depth (in)	Type	Class					Extent	
145	31.375	7.5	R1		0.6		3.7	0.5				4.8	Conc		2.4	R	II	M	P				
146	31.482	1.5	OL		1.0		3.6	0.5			4.5	9.6	ABC	4.5	---	---	---	---	F				Measured from RT edge of lane
147	31.482	8.5	L2	X	0.4		3.2		1.0			4.6	LR		2.1	SL	II	M	F				
148	31.480	8.5	L1	X	0.6		3.3		0.5			4.4	LR		0.4	OGFC	II	L	F				
149	31.587	3.0	R2	X	0.5		4.3					4.8	Conc	7.0	B	J	III	M	P				
150	31.587	10.0	R2	X	0.4		4.6					5.0	Conc	10.5	B	R	III	M	P				Widening Strip. Rut and Slope not measured.
151	31.587	1.5	OR		0.3		1.0				4.8	6.1	ABC	4.8	B	R	III	M	P				Measured from RT edge of lane. Cored next to "R" crack.
152	31.826	2.5	R2	X	0.8		4.4	0.5				5.7	Conc	8.6	2.9	J	III	M	P				
153	31.826	10.5	R2		0.8		4.5					5.3	Conc	10.8	1.6	J	III	M	P				Widening Strip. Rut and Slope not measured.
154	31.826	1.5	OR		0.5		1.4				2.7	4.6	ABC	2.7	1.8	Br	I	M	F				Measured from RT edge of lane
155	32.020	2.0	OL		1.0		1.1					2.1	LR	5.0	---	---	---	---	F				Measured from RT edge of lane
156	30.020	7.5	L2		0.5		2.5					3.0	LR	8.5	---	---	---	---	F				
157	32.020	6.5	L1		0.9		3.2		0.7			4.8	LR	8.0	1.9	Br	II	M	F				
158	32.120	3.5	LLTL	X	0.8		2.8					3.6	LR	9.5	---	---	---	---	F				
159	32.114	1.0	R1		0.4		3.5	0.5			3.1	7.5	ABC	3.1	---	---	---	---	F				Widening Strip. Rut and Slope not measured./ABC-1 base no Limerock
160	32.114	8.5	R1	X	0.5		3.5	0.5			3.6	8.1	ABC	3.6	---	---	---	---	F				ABC-1 base no Limerock

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Supplemental Data to PECD

(GPS Coordinates for Each Location Cored)

SR 5 (US-1) FIN: 428876-1 County: Brevard

Core #		GPS Coordinates		Core #		GPS Coordinates	
1	N 28.411499	W -80.755296	21	N 28.425745	W -80.758248		
2	N 28.411499	W -80.755279	22	N 28.425741	W -80.758205		
3	N 28.413114	W -80.755111	23	N 28.429704	W -80.759281		
4	N 28.413130	W -80.755013	24	N 28.429701	W -80.759229		
5	N 28.413130	W -80.754975	25	N 28.429701	W -80.759179		
6	N 28.413130	W -80.754955	26	N 28.429701	W -80.759157		
7	N 28.417284	W -80.755745	27	N 28.430993	W -80.759850		
8	N 28.417284	W -80.755711	28	N 28.431000	W -80.759826		
9	N 28.417284	W -80.755675	29	N 28.431129	W -80.759787		
10	N 28.417576	W -80.755733	30	N 28.431885	W -80.759811		
11	N 28.419932	W -80.756552	31	N 28.431885	W -80.759778		
12	N 28.420918	W -80.756860	32	N 28.432568	W -80.760335		
13	N 28.420918	W -80.756833	33	N 28.436239	W -80.761438		
14	N 28.422066	W -80.756970	34	N 28.436239	W -80.761416		
15	N 28.422356	W -80.757315	35	N 28.436249	W -80.761397		
16	N 28.424719	W -80.757782	36	N 28.436803	W -80.761406		
17	N 28.424669	W -80.757734	37	N 28.436810	W -80.761379		
18	N 28.424670	W -80.757687	38	N 28.436803	W -80.761343		
19	N 28.424674	W -80.757665	39	N 28.436825	W -80.761303		
20	N 28.425748	W -80.758273	40	N 28.436832	W -80.761273		

Supplemental Data to PECD

(GPS Coordinates for Each Location Cored)

SR 5 (US-1) FIN: 428876-1 County: Brevard

Core #	GPS Coordinates	Core #	GPS Coordinates
41	N 28.437775 W -80.761810	61	N 28.454240 W -80.762958
42	N 28.437716 W -80.761529	62	N 28.454240 W -80.762920
43	N 28.440707 W -80.762496	63	N 28.455752 W -80.762939
44	N 28.441238 W -80.762779	64	N 28.455752 W -80.762918
45	N 28.441871 W -80.762892	65	N 28.455752 W -80.762915
46	N 28.442090 W -80.763108	66	N 28.457220 W -80.763023
47	N 28.442090 W -80.763066	67	N 28.457923 W -80.763121
48	N 28.443673 W -80.763236	68	N 28.457923 W -80.763095
49	N 28.443673 W -80.763204	69	N 28.457893 W -80.763058
50	N 28.443969 W -80.763008	70	N 28.459192 W -80.762983
51	N 28.445010 W -80.763210	71	N 28.461329 W -80.763436
52	N 28.446252 W -80.763233	72	N 28.461329 W -80.763408
53	N 28.446991 W -80.763219	73	N 28.461329 W -80.763399
54	N 28.448666 W -80.763088	74	N 28.462148 W -80.763837
55	N 28.451717 W -80.763165	75	N 28.462902 W -80.763952
56	N 28.451717 W -80.763135	76	N 28.462902 W -80.763940
57	N 28.451695 W -80.763108	77	N 28.467689 W -80.765359
58	N 28.452197 W -80.762903	78	N 28.468037 W -80.765440
59	N 28.452197 W -80.762882	79	N 28.466671 W -80.764992
60	N 28.452197 W -80.762874	80	N 28.466625 W -80.765091

Supplemental Data to PECD

(GPS Coordinates for Each Location Cored)
SR 5 (US-1) FIN: 428876-1 County: Brevard

Core #	GPS Coordinates	Core #	GPS Coordinates
81	N 28.467333 W -80.765484	101	N 28.477036 W -80.768661
82	N 28.468039 W -80.765397	102	N 28.477322 W -80.768999
83	N 28.468174 W -80.765739	103	N 28.477322 W -80.768977
84	N 28.468174 W -80.765704	104	N 28.478172 W -80.769378
85	N 28.468174 W -80.765672	105	N 28.478172 W -80.769472
86	N 28.468137 W -80.765609	106	N 28.478902 W -80.769485
87	N 28.470772 W -80.766289	107	N 28.478902 W -80.769471
88	N 28.470772 W -80.766251	108	N 28.479323 W -80.769591
89	N 28.470682 W -80.766226	109	N 28.480009 W -80.769902
90	N 28.471986 W -80.766574	110	N 28.480312 W -80.770391
91	N 28.472045 W -80.766900	111	N 28.480312 W -80.770383
92	N 28.475053 W -80.767710	112	N 28.481636 W -80.770671
93	N 28.475053 W -80.767679	113	N 28.483798 W -80.770717
94	N 28.475053 W -80.767667	114	N 28.483798 W -80.770697
95	N 28.474702 W -80.767446	115	N 28.483798 W -80.771679
96	N 28.476140 W -80.768388	116	N 28.483243 W -80.771783
97	N 28.476131 W -80.768335	117	N 28.483243 W -80.771759
98	N 28.476743 W -80.768415	118	N 28.483989 W -80.771876
99	N 28.476743 W -80.768404	119	N 28.484086 W -80.772129
100	N 28.476743 W -80.768383	120	N 28.484086 W -80.772103

Supplemental Data to PECD
 (GPS Coordinates for Each Location Cored)
 SR 5 (US-1) FIN: 428876-1 County: Brevard

Core #	GPS Coordinates	Core #	GPS Coordinates
141	N 28.494266 W -80.778909	141	N 28.503759 W -80.783512
142	N 28.494266 W -80.778878	142	N 28.503759 W -80.783512
143	N 28.497374 W -80.780708	143	N 28.503759 W -80.783512
144	N 28.497374 W -80.780676	144	N 28.503759 W -80.783512
145	N 28.497374 W -80.780665	145	N 28.503759 W -80.783512
146	N 28.498473 W -80.781404	146	N 28.503759 W -80.783512
147	N 28.498473 W -80.781365	147	N 28.503759 W -80.783512
148	N 28.498555 W -80.781349	148	N 28.503759 W -80.783512
149	N 28.500521 W -80.781064	149	N 28.503759 W -80.783512
150	N 28.500521 W -80.781047	150	N 28.503759 W -80.783512
151	N 28.500521 W -80.782028	151	N 28.503759 W -80.783512
152	N 28.503759 W -80.783538	152	N 28.503759 W -80.783512
153	N 28.503759 W -80.783512	153	N 28.503759 W -80.783512
154	N 28.503759 W -80.783498	154	N 28.503759 W -80.783512
155	N 28.505898 W -80.784588	155	N 28.505898 W -80.784588
156	N 28.505898 W -80.784565	156	N 28.505898 W -80.784588
157	N 28.505902 W -80.784523	157	N 28.505898 W -80.784565
158	N 28.507561 W -80.784502	158	N 28.505902 W -80.784523
159	N 28.507589 W -80.784368	159	N 28.507561 W -80.784502
160	N 28.507589 W -80.784343	160	N 28.507589 W -80.784368
121	N 28.484110 W -80.772060	121	N 28.484110 W -80.772060
122	N 28.484468 W -80.771983	122	N 28.484468 W -80.771983
123	N 28.485542 W -80.772850	123	N 28.485542 W -80.772850
124	N 28.485542 W -80.772833	124	N 28.485542 W -80.772833
125	N 28.485691 W -80.772780	125	N 28.485691 W -80.772780
126	N 28.486979 W -80.773270	126	N 28.486979 W -80.773270
127	N 28.486979 W -80.773245	127	N 28.486979 W -80.773245
128	N 28.487881 W -80.773929	128	N 28.487881 W -80.773929
129	N 28.488172 W -80.773833	129	N 28.488172 W -80.773833
130	N 28.488254 W -80.773757	130	N 28.488254 W -80.773757
131	N 28.488946 W -80.774417	131	N 28.488946 W -80.774417
132	N 28.491085 W -80.774439	132	N 28.491085 W -80.774439
133	N 28.491085 W -80.774429	133	N 28.491085 W -80.774429
134	N 28.491085 W -80.775419	134	N 28.491085 W -80.775419
135	N 28.491123 W -80.775465	135	N 28.491123 W -80.775465
136	N 28.491123 W -80.775856	136	N 28.491123 W -80.775856
137	N 28.492988 W -80.777842	137	N 28.492988 W -80.777842
138	N 28.492988 W -80.777833	138	N 28.492988 W -80.777833
139	N 28.492999 W -80.777794	139	N 28.492999 W -80.777794
140	N 28.494266 W -80.778927	140	N 28.494266 W -80.778927

